

Curriculum Vitae

Ronald Edward Peachey

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A. EDUCATION AND EMPLOYMENT INFORMATION

Current Position and Rank: Weed Management and Ecology, Associate Professor, Senior Research

Education

- Ph.D. Crop Science. Oregon State University, Corvallis, Oregon. July 2004.
- M.S. Horticulture. Oregon State University, Corvallis, Oregon. March 1993.
- B.S. Horticulture and General Ag. Oregon State University, Corvallis, Oregon. 1986.
- A.A. Electronics Technology. Hesston College, Hesston, Kansas. 1976.

Employment

- Assistant Professor, Senior Research. Department of Horticulture, Oregon State University. July 2005 to present.
- Interim Vegetable Extension Agent, Marion County, Oregon. January to December 1998.
- Senior Research Assistant. Department of Horticulture, Oregon State University. January 1996 to June 2005.
- Research Assistant. Department of Horticulture, Oregon State University. April 1993 to December 1996.
- Graduate Research Assistant. Oregon State University. April 1991 to March 1993.
- Agriculture Extension Program Leader. MCC, Dhaka, Bangladesh. June 1989 to November 1990.
- Horticulture Advisor. MCC, Dhaka, Bangladesh. November 1987 to June 1989.
- Research Assistant. Crop Science Department, Oregon State University, June 1986 to March 1987.

B. TEACHING, ADVISING, AND OTHER ASSIGNMENTS

Courses taught

HORT/CROP 300: Crop Production in PNW Agroecosystems (face to face winter term and online spring term)

Graduate Students and Trainees

Major Professor

Jessica Green, MS Completed Oct. 13, 2010. Thesis: Structuring Habitat to Conserve Ground Beetles (Coleoptera: Carabidae) and Reduce Summer Annual Weeds in Agroecosystems

Laurel Moulton, MS Completed August 5, 2011. Thesis: Using Stable Isotopes and Visual Gut Examination to Determine the Diet Composition of *Pterostichus melanarius* (Coleoptera: Carabidae) in Western Oregon Vegetable Row Crops

Committee Member/Minor Professor

Mike Russell	PhD	John Lambrinos, Horticulture	2013
Laurie McKenzie	PhD	Jim Myers	2012
Wilson Avila	PhD	Mallory-Smith, Crop Science	2011
Angela Gadino	PhD	Walton, Horticulture	2011
Micheal Quinn	PhD	Mallory Smith, Crop Science	2010
Suphanilka Intanon	MS	Mallory-Smith, Crop Science	2009
Martin Quincke	PhD	Petersen, Crop Science	2009
Chantalak Tiyyayon	PhD	Azarenko, Horticulture	2008
Maria Zapiola	PhD	Mallory-Smith, Crop Science	2008
Mikio Miyazoe	MS	Stone, Horticulture	2007
Josh Cannon	MS	Mallory-Smith, Crop Science	2006

C. PUBLICATIONS

Refereed publications (* indicates student or RA)

Brainard, D.C., E. Peachey, E. Haramoto, J. Luna and A. Rangarajan. 2013. Weed ecology and management under strip-tillage: Implications for Northern U.S. vegetable cropping systems. *Weed Technology* 27: 218-230.

Peachey, R.E, D. Doohan, and T. Koch. 2012. Selectivity of fomesafen based systems for preemergence weed control in cucurbit crops. *Crop Protection* 40: 91-97.

Peachey, R. E. and C. Mallory-Smith. 2011. Effect of fall tillage and cover crop strategies on wild-proso millet (*Panicum miliaceum*) emergence and interference in follow-crops. *Weed Technol.* 25:119-126.

Fredrickson*, L., P. A. Skinkis and E. Peachey. 2011. Cover crop and floor management affect weed coverage and density in an establishing Oregon vineyard. *Hort Technology* 21: 208-216.

Williams, M., R. Boydston, E. Peachey and D. Robinson. 2011. Significance of atrazine as a tank-mix partner with tembotrione. *Weed Technol.* 3: 299-302.

- Williams, M. M., R. Boydston, R. E. Peachey, and D. Robinson. 2011. Performance consistency of reduced atrazine use in sweet corn. *Field Crops Res.* 121: 96-104.
- Peachey, R. E. and C. Mallory-Smith. 2007. Influence of winter seed position and recovery date on hairy nightshade (*Solanum sarrachoides*) recruitment and seed germination, dormancy, and mortality. *Weed Sci.* 55:49-59.
- Peachey, E., R. L. Ludy, M. L. Powelson, and D. McGrath. 2006. Modification of plant arrangement suppresses white mold of snap beans. *HortScience* 41:1298-1302. *Role:*
- Peachey, R. E., R. D. William and C. Mallory-Smith. 2006. Effect of spring tillage sequence on summer annual weeds in vegetable row crop. 2006. *Weed Technol.* 20: 204–214.
- Rupp*, D. E., R. E. Peachey, K. Warren, and J. S. Selker. 2006. Diuron in surface runoff and tile drainage from two grass-seed fields. *J. Env. Quality.* 35:303-311. *Qual.* 35: 303-311.
- Peachey, R. E., R. D. William and C. Mallory-Smith. 2005. Effect of no-till or conventional planting and cover crop residues on weed emergence in irrigated vegetable row crops. *Weed Technol.* 18: 1023-1030.
- Peachey, R. E., A. Moldenke, R. D. William, R. Berry, E. Ingham, and Eric Groth. 2002. Effect of cover crops and tillage system on symphylan (Symphyla: *Scutigera immaculata*, Newport) and *Pergamasus quisquiliarum* Canestrini (Acari: Mesostigmata) Populations, and other Soil Organisms in Agricultural Soils. *J. of Applied Soil Ecol.* 598: 1–12.
- Peachey, R. E., J. N. Pinkerton, K. L. Ivors, M. L. Miller, And L. W. Moore. 2000. Effect of soil solarization, cover crops, and metham on field emergence and survival of buried annual bluegrass (*Poa annua*) Seeds. *Weed Technol.* 15: 81-88.

Extension Publications

- Pacific Northwest Weed Management Handbook. 2007 to 2013. Edited by E. Peachey, Oregon State University Press, Corvallis, OR 97331. <http://pnwhandbooks.org/weed/>
- Greco*, A., M. Russell, J. Green, L. Moulton, and E. Peachey. 2012. An Introduction to Ground Beetles of the Willamette Valley. EM 9042. Corvallis, OR: Oregon State University Extension Service.
- Peachey, R. E., C. Landgren, and Tim Miller. 2011. Weed and Vegetation Management in Christmas Trees. PNW 625, Oregon State University Extension Service, Corvallis.
- Peachey, R. E. Best management practices for weed control in organic snap beans. 2011. EM 9025. Oregon State University Extension Service, Corvallis.
- Skinkis, P., J. Pscheidt, V. Walton, E. Peachey, A. Dreves, I. Zasada, R. Martin and D. Sanchez. 2011. Pest Management Guide for Wine Grapes in Oregon, EM 8413.
- Olsen, J. J. Pscheidt, and E. Peachey. 2011 Pest Management Guides for The Willamette Valley (tree fruits and nuts). EM 8419 (peach), 8420 (pear), 8421 (walnut), 8329 (cherry), 8328 (hazelnut), 8362 (prune and plum), 8418 (apple).

- Hart, J. M., D. M. Sullivan, J. R. Myers, and E. Peachey. 2010. Nutrient management guide for sweet corn, EM 9010-E, October 2010 (<http://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/19064/em9010.pdf>).
- Skinkis, P., J. Pscheidt, V. Walton, E. Peachey, D. Sanchez, I. Zasada, and R. Martin. 2010. Pest Management Guide for Wine Grapes in Oregon, EM 8413, May 2010.
- Julian, J., D. McGrath, McReynolds, E. Peachey and C. Seavert. and. 2010. Enterprise budgets for conventional processed bush beans. Willamette Valley region. AEB0004. Oregon State University Extension Service, Corvallis.
- Julian, J., D. McGrath, McReynolds, E. Peachey and C. Seavert. 2010. Enterprise budgets for conventional processed sweet corn. Willamette Valley region. AEB0006. Oregon State University Extension Service, Corvallis.
- Julian, J., D. McGrath, McReynolds, E. Peachey and C. Seavert. 2010. Enterprise budgets for conventional processed broccoli. Willamette Valley region. AEB0003. Oregon State University Extension Service, Corvallis.
- Julian, J., D. McGrath, McReynolds, E. Peachey and C. Seavert. 2010. Enterprise budgets for conventional processed cauliflower. Willamette Valley region. AEB0005. Oregon State University Extension Service, Corvallis.
- Castagnoli, S., H. Riedl, R. Spotts, L. Long, P. Shearer, J. Pscheidt, J. Olsen, E. Peachey. 2010 pest management guide for tree fruits in the Mid-Columbia area. EM8203.
- Julian, J., D. McGrath, E. Peachey, C. Seavert, A. Stone. 2009. Enterprise budgets. Organic bush beans. Willamette Valley region. EM 8959-E. Oregon State University Extension Service, Corvallis.
- Julian, J., D. McGrath, E. Peachey, C. Seavert, A. Stone. 2009. Enterprise budgets. Organic sweet corn. Willamette Valley region. EM 8962-E. Oregon State University Extension Service, Corvallis.
- Julian, J., D. McGrath, E. Peachey, C. Seavert, A. Stone. 2009. Enterprise budgets. Organic broccoli. Willamette Valley region. EM 8960-E. Oregon State University Extension Service, Corvallis.
- Julian, J., D. McGrath, E. Peachey, C. Seavert, A. Stone. 2009. Enterprise budgets. Organic cauliflower. Willamette Valley region. EM 8961-E. Oregon State University Extension Service, Corvallis.
- Peachey, E. 2006. Puncturevine patrol. EM 8909, Oregon State University Extension Publication.
- McGrath, D. and E. Peachey. 2006. Managing 12-Spot Beetles in Snap Beans with Fewer Chemicals and Less Risk of Crop Injury. EM 8906, Oregon State University Extension Publication.
- Peachey, R. E., J. Luna, R. Dick, and R. Satell. 1999. Cover Crop Weed Suppression in Annual Rotations. EM 8725, Oregon State University Extension Publication.
- Sattell, R., R. Dick, J. Luna, D. McGrath, and E. Peachey. 1998. Oregon Cover Crops: Common Vetch (*Vicia sativa L.*). EM 8695, Oregon State University Extension Publication.

- Sattell, R., R. Dick, R. Karow, D. McGrath, and E. Peachey. 1998. Oregon Cover Crops: Annual Ryegrass (*Lolium multiflorum*). EM 8691, Oregon State University Extension Publication.
- Burrill, L., E. Peachey, and J. Hill. 1988. Time-lapse photography of weeds killed by herbicides. Oregon State University, <http://www.wssa.net/herb&control/movie.htm>.

Proceedings articles/peer reviewed research reports

- Peachey, E. and D. Kaufman. 2010. Blackberry tolerance to quinclorac herbicide. Research Progress Reports of the Western Soc. of Weed Sci. p 36.
- Peachey, R. E., and R. D. William. Horticultural Weed Management: Annual Reports. 2005, 2006, 2007, 2009. Summary of Oregon weed management efforts in vegetable and small fruits. Print and digital copies provided to weed scientists throughout US (Approx. 100 printed annually).
- Peachey, E. and D. Doohan. 2009. Cucurbit tolerance to fomesafen and other herbicides. Research Progress Reports of the Western Soc. of Weed Sci. pp 76-78.
- Peachey, E. and R. McReynolds. 2009. Spinach, cilantro, and parsley tolerance to preemergence herbicides. Research Progress Reports of the Western Soc. of Weed Sci. pp 79-80.
- Peachey, R. E. 2008. Hairy nightshade control with tankmix combinations of S-metolachlor and ethofumesate in table beets. Research Progress Reports of the Western Soc. of Weed Sci. March 12-14, Anaheim, CA
- Kauffman, D., and E. Peachey. 2008. Weed control in strawberries with sequentially applied pre-emergence herbicides over two years. Research Progress Reports of the Western Soc. of Weed Sci. March 12-14, Anaheim, CA.
- Ocamb C. M., R. B. McReynolds, R. E. Peachey. 2008. Evaluation of materials for control of white mold in snap beans. Oregon State University, Corvallis, OR 97331. F&N Abstracts.
- Kaufman, D., E. Peachey and J. Harpole. 2007. Evaluation of postemergence herbicides in strawberries. Research Progress Reports of the Western Soc. of Weed Sci. March 13-15, Portland OR. p. 34.
- Peachey, E., and R. McReynolds. 2007. Carrot and parsnip tolerance to s-metolachlor and dimethenamid-p. Research Progress Reports of the Western Soc. of Weed Sci. March 13-15, Portland OR. p. 41.
- Kaufman, D., E. Peachey, and J. Harpole. 2006. Weed control strategies in second year strawberries. West. Soc. of Weed Sci. Research Progress Reports. Reno, NV, March 9-11.
- Peachey, E., R. McReynolds, and M. Histan. 2006. Vegetable crop tolerance to dimethenamid-p. West. Soc. of Weed Sci. Research Progress Reports. Reno, NV, March 9-11.
- Peachey, E., R. McReynolds, and M. Histan. 2006. Brassica crop tolerance to dimethenamid-p. West. Soc. of Weed Sci. Research Progress Reports. Reno, NV, March 9-11.
- Kaufman, D., E. Peachey, and J. Harpole. 2006. Evaluation of selected post-emergence herbicides for use in newly established strawberries. West. Soc. of Weed Sci. Research Progress Reports. Reno, NV, March 9-11.

- Peachey, R. E. 2005. Table beet tolerance to s-metolachlor and dimethenamid-p. Western Society of Weed Science (WSWS) Research Progress Reports. March 8-9, Vancouver, BC, pp 18-19.
- Peachey, R. E. 2005. Weed control with s-metolachlor in table beets. WSWS Research Progress Reports. March 8-9, Vancouver, BC, p 20.
- Kaufman, D., E. Peachey, and Judy Kowalski. 2004. Evaluation of promising weed control strategies in newly established strawberries. WSWS Research Progress Reports. March 9-11, Colorado Spring, CO, pp 62-64.
- Kaufman, D., J. DeFrancesco, J. Kowalski, and E. Peachey. 2003. Evaluation of new herbicides for use in second year strawberries. WSWS Research Progress Reports. March, 11-13, Koloa, HA, pp 55-57.
- Kaufman, D., J. DeFransico, G. Koskela, and E. Peachey. 2002. Evaluation of new herbicides for use in second year strawberries. WSWS Research Progress Reports. March, 12-14, Salt Lake City, Utah, pp 56-58.
- Peachey, R. E. and R. McReynolds. 2002. Effects of planting depth, irrigation level, and halosulfuron rate on cucurbit growth and yield. WSWS Research Progress Reports. March, 12-14, Salt Lake City, Utah, pp 49-50.
- Peachey, R. E. and R. D. William. 2001. Tolerance of snap beans to flumioxazin and azafenedin. WSWS Research Progress Reports. March, 13-15, Coeur D'Alene, ID p 45.
- Peachey, R. E. and C. Mallory Smith. 2001. Screening of low-rate herbicides for vegetable crop tolerance and weed control. WSWS Research Progress Reports. March, 13-15, Coeur D'Alene, ID pp 53-54.
- Kauffman, D., J. DeFrancesco, G. Koskela, and E. Peachey. 2000. Evaluation of new herbicides for use in strawberries. WSWS Research Progress Reports. March, 14-16, Tucson, AZ, pp 41-42.
- Peachey, R. E. and R.D. William. 2000. Tolerance of processing squash to sulfentrazone and azafenedin. WSWS Research Progress Reports. March, 14-16, Tucson, AZ, p 58.
- Peachey, R. E. 2000. Herbicide and ethoprop insecticide effects on early season snap bean emergence, growth, and root health. WSWS Research Progress Reports. March, 14-16, Tucson, AZ, pp 59-60.
- Peachey, R. E. and C. Mallory Smith. 1999. Tolerance of vegetables to herbicides. WSWS Research Progress Reports. March 9-11, Colorado Springs, CO, pp 42-43.

Newsletters

- Weed Control in Vegetable Crops, May, 2007. Circulated among Willamette Valley vegetable growers and field reps, approx. 600.
- Weed Management in Snap Beans, May, 2007. Newsletter developed for snap bean growers in the Chehalis, WA area upon invite from National Foods to discuss weed control in snap beans.

Weed Control in Table Beets and Other Root Crops, April 2006. In cooperation with Bob McReynolds, NWREC. Targeted root crop growers.

Weed Control in Table Beets, March 2006.

Using Impact Herbicide in Sweet Corn, April 2006.

Weed Management in Squash, April 2006.

Cleaning Your Spray Tank. April 2006

Puncturevine Patrol, newsletter, January, 2006.

Weed Control in Table Beets, April, 2005.

The Outlook on Squash, April, 2005.

Wild Proso Millet Control in Sweet Corn. July, 2003.

Weed Control in Snap Beans, April, 2003.

Weed Control in Snap Beans. June, 2002.

Sweet Corn for Processing: Weed Control, May, 2000.

Snap Beans for Processing: Weed Control, April, 1998.

Sweet Corn for Processing: Weed Control, May, 1998.

Peachey, R. E., and R. D. William. 1997. Propane flaming for in-row weed control in sweet corn. PNW Sustainable Agriculture Newsletter, 9:5-8.

Trade journal articles

Managing Weeds in Christmas Trees: Two Concepts Worth Remembering. Lookout: Publication of PNW Christmas Tree Growers. Winter, 2010.

Websites

Peachey, R. E., M. Anderson, B. Mayjor, and J. Alexander. 2011. PNW Weed Management Handbook. (<http://pnwhandbooks.org/weed/>).

D. PROFESSIONAL AWARDS

Professional Service Award, Western Society of Weed Science, Presented March, 2006 at annual meeting in Reno, Nevada.

Professional Service Award. Oregon Society of Weed Science. 2003.